

ABSTRACT

A system and method of managing a network provides for distributed storage and retrieval. In one embodiment, information such as a text message is stored by calculating an actual destination node based on a subscriber identifier and a current addressing function, which corresponds to a current topology of a network. The message is sent to the actual destination node for storage. Messages can be retrieved by calculating a plurality of destination nodes based on a subscriber identifier and a plurality of addressing functions, where each addressing corresponds to a topology of the network at a particular moment in time. In one embodiment, the addressing functions are hash functions.